

degree of latitude. The table shows that the temperature has been decidedly below the mean in New England, the St. Lawrence valley and Minnesota; and above the mean in the Gulf states. The temperature has fallen below freezing at all stations north of a line passing from Shreveport north of Vicksburg, following the 33d parallel. The temperature on the Pacific coast was slightly above the mean, and north of San Diego, averaged 12° higher than the temperature of the corresponding latitude on the Atlantic coast.

Ranges of Temperature.—The ranges of temperature has been unusually great in the interior, that of Breckinridge being 87°; Cheyenne, 80°; Dodge City, 84°; Duluth, 76°; Mt. Washington, 77°; North Platte, 76°; Malone, 70°; Omaha, 75°; Pembina, 65°; St. Paul, 80° and Yankton, 80°.

PRECIPITATION.

Chart No. III shows, in a graphic manner, the precipitation for the month. This has been mostly in the form of rain south of the 42d parallel of latitude. North of this line considerable snow has fallen, particularly in Canada and the northern portion of the Upper Lake region. Regions of large precipitation are shown in Nova Scotia, portions of New England and New Jersey, from the Gulf northward to the lower Ohio valley and on the Pacific coast. The heaviest rains have fallen in the last-named district, amounting to 7.27 inches at San Francisco and 15.75 at Portland, Or., which is very much in excess of the mean for the month. The largest rainfalls east of the Rocky mountains have occurred in the central Mississippi valley, amounting to 7.96 inches at Cairo and 9.36 at Memphis. A large deficiency is noticeable in the Northwest, and at several stations in Kansas no rain or snow fell during the entire month.

Rainy Days.—The number of days during the month on which rain or snow fell averages as follows: In New England, the Middle States, the Ohio valley and Tennessee, 12; South Atlantic and Gulf States, 11; Lake region, 14; Northwest, 6.

Cloudy Days.—The average number of cloudy days (other than those on which rain or snow fell) is: In New England, 3; Middle Atlantic States, 2; South Atlantic States, 6; Gulf States, Ohio valley and Tennessee, 4; Lake region, 5; Northwest, 7.

RELATIVE HUMIDITY.

The mean relative humidity for the month ranges between 60 and 70 per cent, in the Northwest and thence southward to northern Texas. At nearly all of the stations elsewhere east of the Rocky mountains the mean for the month ranges between 70 and 80 per cent., except in Florida and on the Gulf coast, where it varies from 79 to 85. At the Rocky mountain stations the figures run from 54 at Santa Fe to 63 at Cheyenne. On the summit of Mt. Washington the mean is 91 and on Pike's Peak 77. This moist atmosphere at these elevated stations is due to their very low temperature.

WINDS.

The prevailing winds for the month are indicated by the arrows, flying with the wind, on Chart No. II. West and northwest winds have predominated in the Middle States, New England and the Lower Lake region, and northerly winds in Indian Territory, Arkansas, Tennessee and the Ohio valley, central Mississippi and lower Missouri valleys. Southerly winds have prevailed in the Gulf States, but elsewhere variable winds.

The total movements of the air for the month, independent of direction, average as follows in the various districts: New Jersey and New England coasts, 8,740 miles; interior of New England and the Middle States, 4,600; South Atlantic and Gulf coasts,